PIANO, ORGAN AND VIOLIN

TOOLS

⚜ ⚜ ⚜

Catalogue No. 142



HAMMACHER SCHLEMMER & CO.

209 BOWERY ... NEW YORK

SINCE 1848

TOOLS FOR PIANO ORGAN AND VIOLIN

MAKERS', TUNERS' and REGULATORS'

Catalogue No. 142

HAMMACHER, SCHLEMMER & CO.

Piano, Cabinet and Builders' Hardware
Tools for all Trades

209 Bowery, New York
SINCE 1848


E.F.GALVIN
ART PRINTING
AND
ENGRAVING
320 B'WAY
NEW YORK.

NOTICE.



RDERS will be executed as promptly as possible and at lowest current rates consistent with quality. Our terms are net cash, 30 days, except where parties are unknown to us or have no commercial rating, in which case we ship C. O. D., and when so sent collection charges are added to the invoice, an expense which customers may save by remitting with order. Four pounds or less can be sent by mail for 1c. per ounce (always at consignee's risk), where express service is not obtainable or not desirable, but postage must be paid by consignee. Express companies will not accept C. O. D. packages where amount to be collected is less than $1.00.

The Clearing House Association of New York City, which includes all banks, has adopted a rule compelling banks to charge exchange on out-of-town checks, and for this reason we are obliged to require our customers to remit in funds payable in New York upon which we can realize without expense.

HAMMACHER, SCHLEMMER & CO.
NEW YORK, N. Y.

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GUARANTY

The following does **not** include Cutting Nippers, Second Quality Tools or Imported Tools.

WE WARRANT

Tools purchased from us to be perfect in material and temper, to be free from flaws, and to do the work for which they are recommended.

WE WILL REPLACE

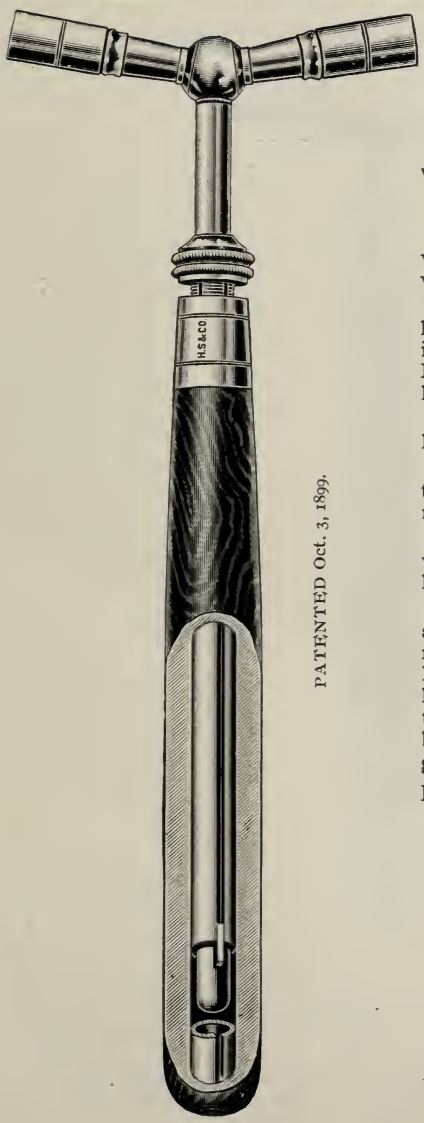
Any that may prove defective in either of the above particulars, BUT CAN NOT undertake to replace tools that break through misuse or carelessness where the steel is sound.

WE WILL EXCHANGE

Any tool that has not been damaged.

HAMMACHER, SCHLEMMER & CO.

209 Bowery, New York, Since 1848



MUELLER'S EXTENSION TUNING HAMMERS.

We are now making our

MUELLER
TUNING HAMMERS

with Aluminum as well as Rosewood Handles.

Aluminum makes an exceptionally strong, in fact almost indestructible handle, is no heavier than the Rosewood and in appearance is handsome.

The nut at the top of the handle holds the rod firmly at any point.

There is no projecting set screw to mar the rod nor get out of order, nor break off.

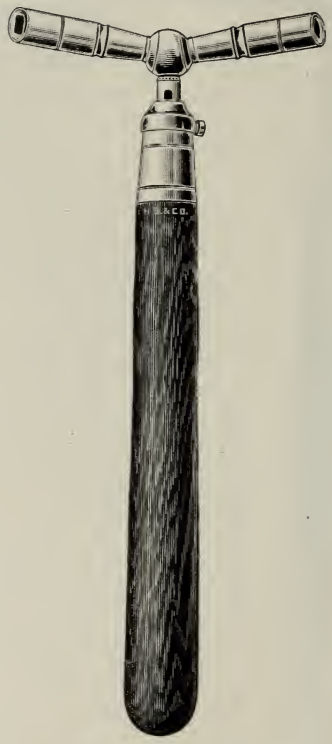
The lug at the bottom of the rod works in a slotted tube inside the handle.

It does away with the twisting and turning that is the cause of so much annoyance in the old style hammers, and is in fact a superior hammer in every respect, the material and workmanship throughout being the best obtainable and fully guaranteed.

		Each.
No. 01.	Rosewood handle, double square...	$8.00
" 01A.	Aluminum handle, double square...	9.00
" 02.	Rosewood handle, double oblong...	8.00
" 02A.	Aluminum handle, double oblong..	9.00
" 02B.	Rosewood handle, single star.....	7.00
" 04A.	Rosewood handle only.....	4.25

Above prices are net and subject to change without notice.

EXTENSION TUNING HAMMERS.



One-third size cut.

No. 1.	H. S. & Co. First quality rosewood handle, double square.	Each,	$7 50
" 2.	" " " " " " oblong.	"	7.50
" 2A.	" " " " " " single star....	"	6.50
" 3.	Second quality rosewood handle, double square.....	"	4.85
" 4.	" " " " " " oblong.....	"	4.85
" 4A.	H. S. & Co. First quality rosewood handle only.....	"	3.75
" 4B.	Second quality rosewood handle only.....	"	2.45

Above prices are net and subject to change without notice.

TUNING HAMMERS.



One-third size cut.

No. 5.	First quality, double square	Each,	$5.45
" **6.**	" " " oblong	"	5.45
" **6A.**	Imported, double square	"	1.10
" **6B.**	" " oblong	"	1.10

Above prices are net and subject to change without notice.

TUNING HAMMERS.

One-third size cuts.



Nos. 7, 8 and 9.



Nos. 7A and 8A.

No. 7.*	First quality, upright,			square	.....	Each,	$3.50
" 7A.	"	"	"	"	.....	"	1.90
" 8.*	"	"	"	star,	.....	"	4.00
" 8A.	"	"	"	"	.....	"	2.00
" 9.	Second "		"	square	.....	"	2.75

*Nos. 7 and 8 Hammers are now made with a "new standard" thread, making them much stronger than the old style.

Above prices are net and subject to change without notice.

TUNING HAMMERS.



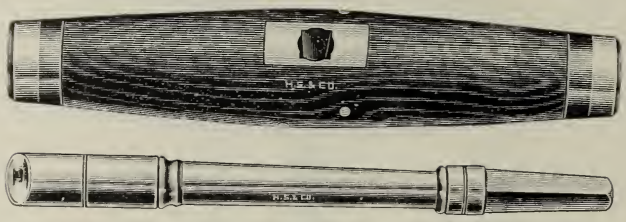
One-half size cut.

No. 10.	First Quality, plain square	Each,	$1.75
" 11.	" " " oblong	"	1.75
" 12.	Second " " square	"	1.35
" 13.	" " " oblong	"	1.35
" 13A.	Imported, plain square	"	.50
" 13B.	" " oblong	"	.50

Above prices are net and subject to change without notice.

TUNING HAMMERS.

One-half size cuts.



No. 14.	First quality, socket square	Each, $3.75
" 15.	" " " oblong	" 3.75
" 16.	" " tube only, square	" 1.60
" 17.	" " " " oblong	" 1.60
" 18.	Socket handle only (will also fit tuning pin extractor No. 45)	" 2.20



For Zither Pins—Ebonized Handle.

No. 18A.	First quality	Per doz., $1.55	Each, $0.16
" 18B.	Second "	" 1.00	" .10

In ordering, state whether they are wanted to fit No. 5 or 5½ zither pins.

Above prices are net and subject to change without notice.

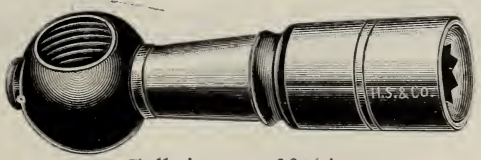
HARP KEYS.



Full size cut.

		Per gro.	Per doz.
No. 18C.	Japanned malleable iron to fit No. 5 zither pins.....	$1.40	$0.15

TUNING HAMMER HEADS.



Full size cut of 2¼ in.

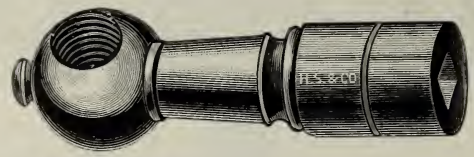
		Each.
No. 19.	First quality, single star head, 2, 2¼, 2½, 2¾ or 3 in. long.....	$2.75

(We send 2½ in. when no size is stated in order).

In ordering Star Heads to fit a No. 7 or 8 Tuning Hammer, state whether head is wanted for the "new standard" thread or the old style thread.

Above prices are net and subject to change without notice.

TUNING HAMMER HEADS.



Full size cut of 2¼ in.

		Each.
No. 20.	First quality, single square head, 2, 2¼, 2½, 2¾ or 3 in. long.	$2.20
" 21.	Second " " " " 2, 2¼, 2½, 2¾ " 3 " "	1.70

(We send 2½ in. when no size is stated in order).

In ordering Square Heads to fit a No. 7 or 8 Tuning Hammer, state whether head is wanted for the "new standard" thread or the old style thread.

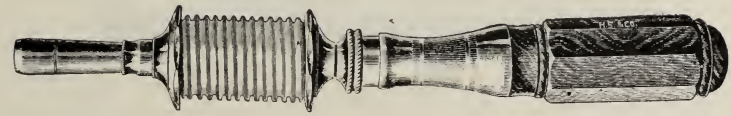


Two-third size cut.

No. 22.	First quality, double square head	Each,	$3.75
" 23.	" " " oblong "	"	3.75
" 24.	Second " " square "	"	2.40
" 25.	" " " oblong "	"	2.40

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PIANO DRILL STOCKS.

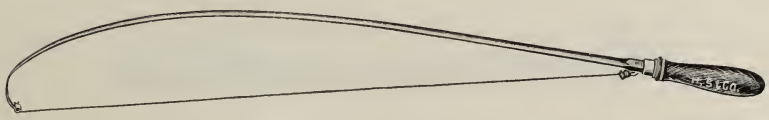


Best Quality Rosewood Handle, Ivory Pulley.

No. 28. Round handle, with 6 brass pads.....Each, $9.00
" **29.** Octagon " " 6 " " ..... " 9.00

Pads hold bits for Nos. 4, 5, 6, 7, 8 and 9 bridge pins.

DRILL BOWS.



No. 30. Oval blade, 2¾ feet long, without string.....Each, $1.00
" **31.** Square " 2¾ " " " " ..... " .75

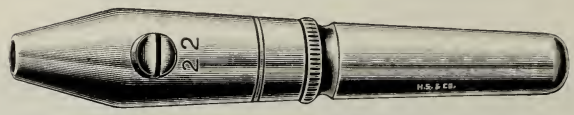
CATGUT STRINGS.

In 20-foot lengths.

B. & S. American Standard Gauge, No.	8	9	10	11	12
No. 31A. Domestic .....Each,	$0.90	.55	.40	.35	.30

Above prices are net and subject to change without notice.

PADS.



Full size cut of No. 32.

No. 32. Brass pads for drills Nos. 6, 8, 10, 12, 14, 16, 18, 20, 22, 23, 24, 25, 26, 27, 28, 29, 30, 35, 40, 44, 48, 49 and 52 (Stubs' drill guage).....Per doz., $3.60 Each, $0.33

" **32A.** Brass pads, extra large, with two set screws, $\frac{7}{32}$, $\frac{1}{4}$, $\frac{9}{32}$ inch, for tuning pin bits.....Each, .45

" **32B.** Same as No. 32, with two set screws, for drills Nos. 6, 8, 10, 12 and 14 (Stubs' drill gauge).....Per doz., $4.30 Each, .40

COUNTERSINKS.



Full size cut of No. 33A.

No. 33. Rose countersinks for drill stocks, $\frac{5}{16}$ in. face.....Each, $0.42

" **33A.** " " " " $\frac{7}{16}$ " ..... " .42

" **33B.** Snail " " " $\frac{7}{16}$ " ..... " .42



Full size cut.

No. 33C. Double cut countersink for drill stock, $\frac{7}{16}$ in. face.....Each, $0.42

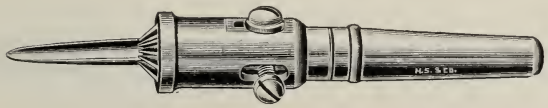
Above prices are net and subject to change without notice.

COUNTERSINKS.



Two-third size cut.

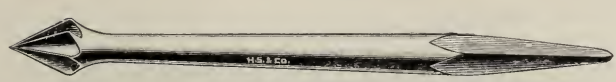
No. 34. Countersink with brass pad and tapered bits (Stubs' drill gauge No. 36).....Each, $1.35



Two-third size cut of 35B.

No. 35. Steel countersink for brace, with tapered bit (Stubs' drill gauge No. 10).....Each, $1.00

" **35B.** Steel countersink for drill stock, with tapered bit (Stubs' drill gauge No. 10).....Each, 1.00



Full size cut.

No. 35A. Rose countersink for wooden pads, $\frac{5}{16}$ in. face.....Each, $0.18

Above prices are net and subject to change without notice.

DOWEL POINTERS.



Two-third size cut.

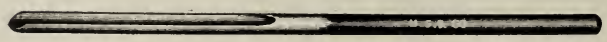
No. 35C. For $\frac{5}{16}$, $\frac{3}{8}$ and $\frac{1}{2}$ inch dowels (other sizes to order).... Each, $0.65

BITS.



One-half size cut of No. 36.

		Per doz.	Each.
No. 36.	Black spoon bits, for brace, $\frac{3}{16}$, $\frac{7}{32}$, $\frac{1}{4}$, $\frac{9}{32}$ and $\frac{5}{16}$ in.....		$0.23
" 36A.	" " " " tuning pins, Nos. 0, 00 or 000.....	$3.25	.33



One-half size cut of No. 37.

		Per doz.	Each.
No. 37.	Wrest plank bits, Nos. 6, 8, 10, 12, 14, 16, 18 and 20 (Stubs' drill gauge), 6 in. long.....	$2.35	$0.24
" 37A.	Tuning pin bits, for Nos. 0, 00 or 000 pins, 4 in. long...	2.34	.24
" 37B.	" " " $\frac{13}{64}$ and $\frac{7}{32}$ in , 4 in. long.....	2.35	.24

Above prices are net and subject to change without notice.

BITS.



Two-third size cut.

No. 38. Lyre pin bits Nos. 10, 12, 14, 16, 18, 20, 24, 27 and 30 (Stubs' drill gauge), 4 in. long.....Per doz., $2.00 Each $0.20



Two-third size cut.

No. 39. Small piano bits, Nos. 23, 26, 29, 35, 40, 44, 48, 49 and 52 (Stubs' drill gauge), 2¼ in. long...Per doz., $0.90 Each, $0.09



Two-third size cut.

No. 40. Center key bits, 3 sizes, ⅛ in spoon with $\frac{9}{32}$, $\frac{5}{16}$ or ⅜ in. cutters.....Each. $0.65



One-half size cut.

No. 40A. Centre key counterbore, $\frac{9}{64}$ in. drill, $\frac{19}{64}$ counterbore..Each, $0.65

Above prices are net and subject to change without notice.

BITS.

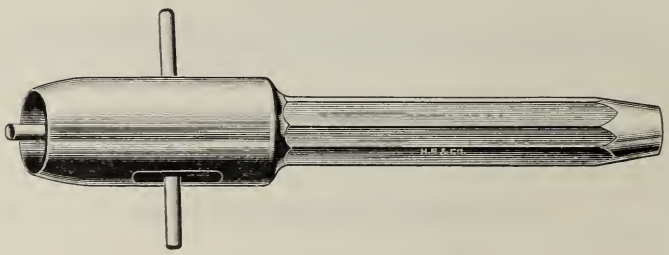


Two third size cut of No. 41A.

No. 41. Key lead bits for wooden pads, 3 sizes, for small, medium or large key leads.....Each, $0.45

" **41A.** Key lead bits, square shank for brace, 3 sizes, for small, medium or large key leads.....Each, .70

PUNCHES.



One-half size cut No. 42, 7/8 in.

		5/16	3/8	7/16	1/2	5/8	3/4	7/8 in.
No. 42.	Center punches. Each,	$2 25	2.25	2.45	2.65	2.95	3.25	3.50
" **42A.**	" " fine pin, "	2.25	2.25	2.45				

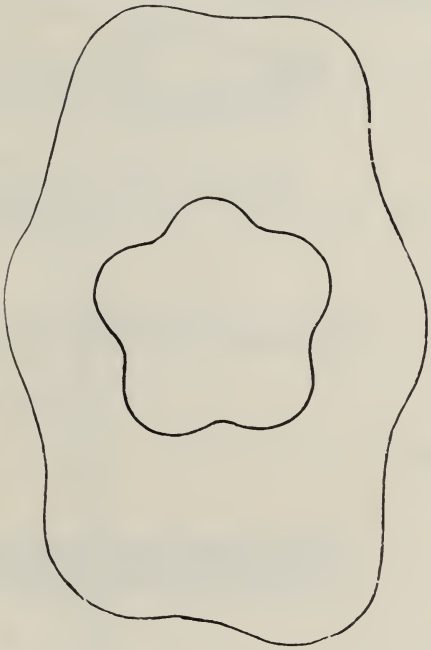


			1/4	9/32	5/16	11/32	3/8 in.
No. 42B.	Round punches for regulating and lifter button punchings.....	Per doz.,	$2.30	2.84	2.84	5.27	5.27
		Each,	.23	.28	.28	.53	.53

Above prices are net and subject to change without notice.

VENEER PUNCHES.





The smaller cut represents the general shape of the round, and the larger cut the general shape of the oval.

No.	1	2	3	4
	1¼-1½	1⅝-1⅞	2-2¼	2½-3 in.
No. 42C. Round.....Each,	$2.00	2.25	2.50	2.75
" **42D.** Oval..... "	2.00	2.25	2.50	2.75

We can make to order, in short time, any size and shape of Veneer Punch, from either a sketch or sample.

Above prices are net and subject to change without notice.

PUNCHES.



One-half size cut.

No. 43. Oval punch.....Each, $2.20



One-half size cut.

No. 44. Punch for marking.....Each, $0.45



One-half size cut.

No. 45. Punch for driving tuning pins.....Each, $0.45



One-half size cut.

No. 46. Punch for broken tuning pins.....Each, $0.42

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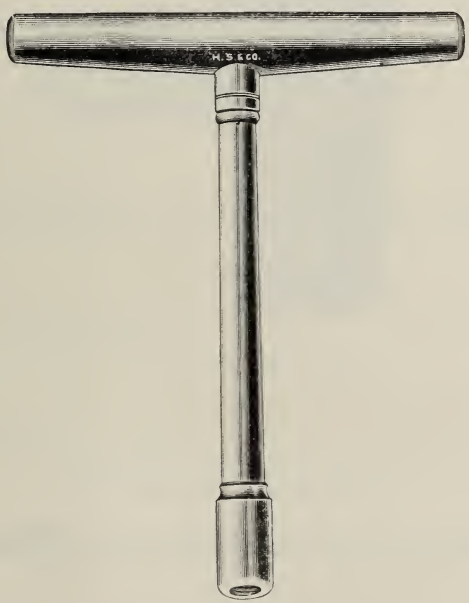
PUNCHES.



Full size cut.

No. 46A. Punch for driving out center pins..... Each, $0.22

TUNING PIN EXTRACTORS.



One-half size cut.

No. 45A. Tuning pin extractor.....Each, $1.85

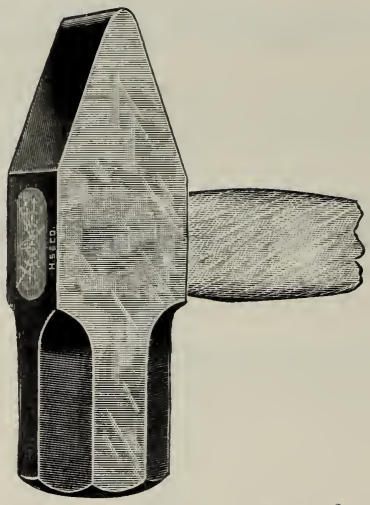


One-half size cut.

No. 45B. Tuning pin extractor, for socket handles No. 18.....Each, $1.15

Above prices are net and subject to change without notice.

HAMMERS FOR TUNING PINS.



No.	2	3	4	5	6	
Weight without handles,	2	2½	3	3½	4½	lbs.
No. 126. Hammers for driving tuning pins. Per doz.,	$5.60	6.00	6.40	6.80	7.60	
Each,	.56	.60	.64	.68	.76	

STUBS' REAMERS.



(Sizes given are taken at the widest part).

Stubs' drill gauge No.	15	20	25	30	35	40	45	50
No. 47. Stubs' reamers. . Per doz.,	$1.47	1.24	1.24	1.02	0.90	0.83	0.76	0.68
Each,	.14	.12	.12	.10	.09	.08	.07	.07

Length,	4	4½	5	5½	in.
Thickness,	11/64,	7/32,	¼,	3/8	in.
Per doz.	$2.03	2.48	2.93	3.60	
Each	.19	.23	.27	.34	

Above prices are net and subject to change without notice.

HANDLES.



Per doz. Each.

No. 47C. Rosewood, 4 in. x ⅜, ½, ⅝, ¾ in. ferrules.....$0.55 $0.06

REGULATORS.



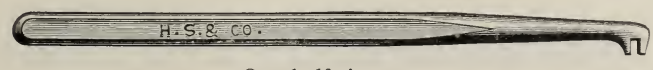
One-half size cut.

No. 48. Action regulator, straight.....Each, $0.42



One-half size cut.

No. 48A. Action regulator, bent.....Each, $0.42

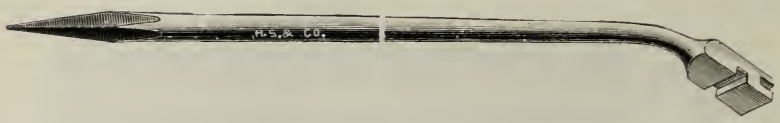


One-half size cut.

No. 48B. Action regulator, solid handle.....Each, $0.42

Above prices are net and subject to change without notice.

REGULATORS.



One-half size cut.

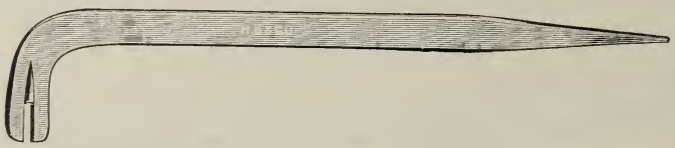
No. 48C. Damper wire regulator.....Each, $0.45



One-half size cut.

No. 48D. Damper spring regulator.....Each, $0.50

SPOON BENDERS.



One-half size cut.

No. 48E. Spoon Bender.....Each, $0.50

REGULATING SCREW-DRIVERS.



Two-third size cut of No. 49.

No. 49. Regulating screw-driver, 3½ in. long.....Each, $0.32
" 50. " " 7 " ..... " .38

Above prices are net and subject to change without notice.

SPACERS.



One-half size cut.

No. 51. Key spacer, 9 in. long.....Each, $0.38
" 52. " 14 " ..... " .45



One-half size cut.

No. 53. Back check spacer, bent.....Each, $0.25



One-half size cut.

No. 54. Back check spacer, straight..... Each, $0.20

REAMERS.



Two-third size cut.

No. 55. Key reamer.....Each, $0.33



Two-third size cut.

No. 55A. Key reamer.....Each, $0.33

Above prices are net and subject to change without notice.

TWEEZERS.



One-half size cut.

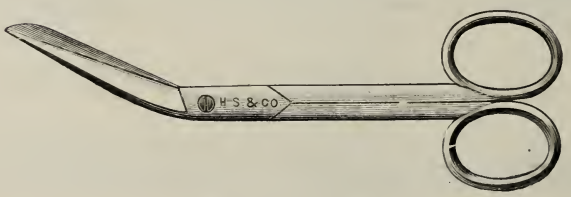
No. 56.	Piano tweezers	6 in. long		Each,	$0.40
" 57.	" "	7 "	.....	"	.45
" 57A.	" "	8 "	.....	"	.60



One-half size cut.

No. 57B.	Imported tweezers,	5	in. long.....	Per doz.,	$1.20	Each,	$0.12
" 57D.	" "	5½	"	"	1.35	"	.14
" 57C.	" "	6	"	"	1.80	"	.18

DAMPER FELT SCISSORS.



One-half size cut.

No. 58. Large nickel-plated, 5½ in. long.....Each, $0.68

Above prices are net and subject to change without notice.

STRING LIFTERS.



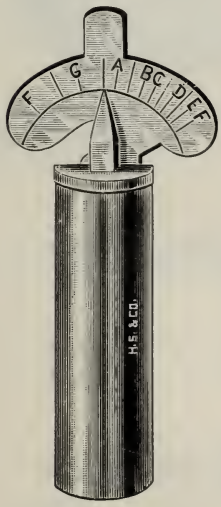
One-half size cut.

No. 60. String lifters, long bend..... .....Each, $0.24

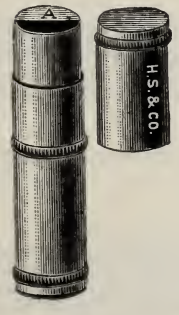


One-half size cut.

No. 60A. String lifters, short bend..... ..Each, $0.28



Full size cut of 60F.

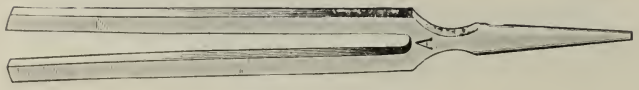


Two-third size cut of 60B, 60C and 60D.

No. 60B. German silver pitch pipes, A, in nickel box.....Each, $0.12
" 60C. " " " " C, " " ..... " .12
" 60D. " " " " A and C combined, in nickel box..... " .15
" 60F. Nickel-plated pitch pipes, chromatic..... " .95

Above prices are net and subject to change without notice.

TUNING FORKS.



Two-third size cut.

No. 61. Polished tuning forks, A. Philharmonic. Per doz., $1.00 Each, $0.10
" 62. " " " C. " " 1.00 " .10



Two-third size cut.

No. 62C. Tuning forks A. Concert.....Per doz., $2.90 Each, $0.29
" 62D. " " C. " ..... " 2.90 " .29



Two-third size cut.

No. 62G. New international pitch, A, 435.....Per doz., $4.75 Each, $0.48
" 62H. " " " C, 517..... " 4.75 " .48



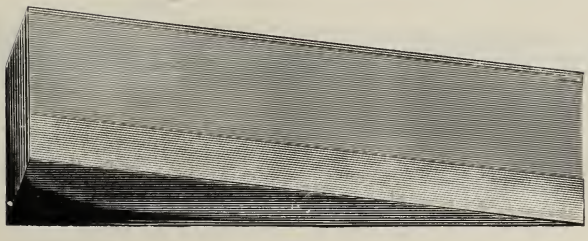
Two-third size cut.

No. 62J. New combination tuning fork, having three pitches; International A, 435, International C, 517, and High Concert A, 454.....Each, $1.00

No. 62G, H and J are guaranteed not to vary more than one vibration.

Above prices are net and subject to change without notice.

TUNING WEDGES.



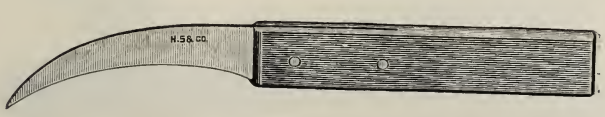
No. 62A. Tuners' wedge (rubber.).....Per doz., $0.50 Each, $0.05



One-half size cut.

No. 62B. Tuners' wedge, for upright.....Per doz., $2.70 Each, $0.24

FELT KNIVES.

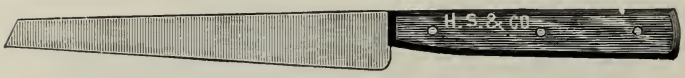


One-half size cut.

No. 59. Hammer knife.....Per doz., $2.00 Each, $0.20

Above prices are net and subject to change without notice.

FELT AND BUSHING KNIVES.



One-third size cut.

No. 63. American felt knife.....Each, $0.60



No. 64. French felt knife, blade 4½ in. long.....Each, $0.60
" 65. " " " " 5 " ..... " .70



No. 66. American felt knife, blade 5 in. long.....Each, $0.65
" 67. " " " " 6 " ..... " .80



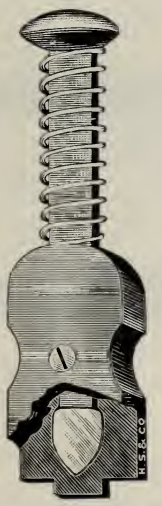
No. 67A. Felt knife, blade 2½ in. long.....Per doz., $1.25 Each, $0.13
" 67B. " " " 4 " ..... " 1.45 " .15

Above prices are net and subject to change without notice.

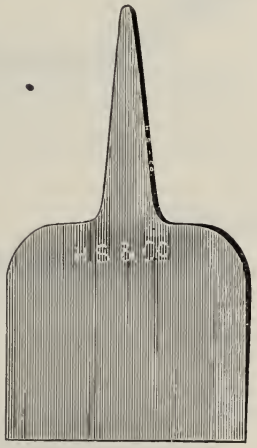
FELT AND BUSHING KNIVES.



No. 67C. Tuners' trimming knife, blade 2 in. long ..... Each, $0.22
" 67D. " " " " 2½ " ..... " .26



No. 68A.
Two-third size cut.



No. 69.
One-half size cut.

No. 68A. Improved bushing knife..... Each, $1.40
" 69. Felt spade, 2¼ or 3 in. wide..... " .50
" 69A. Hickory handle for No. 69..... " .04

Above prices are net and subject to change without notice.

FELT PICKERS.



Two-third size cut.

No. 70. Felt picker, hollow rosewood handle to hold needles...Each, $1.00



Two-third size cut.

No. 71C. Felt picker, rosewood handle.....Each, $1.10



Two-third size cut.

No. 71D. Felt picker, rosewood handle.....Each, $1.10

SCREW-DRIVERS.



One-half size cut.

No. 72. Double head screw-driver.....Each, $0.35

Above prices are net and subject to change without notice.

SCREW-DRIVERS.



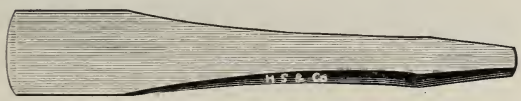
One-half size cut.

No. 72A. Double-head screw-driver ..... Each, $0.80

SCREW-DRIVER BITS.



One-half size cut of No. 73.



One-half size cut of No. 74A.



One-half size cut of No. 75.

No. 73. Screw-driver bit, 7/8 in. face ..... Each, $0.25
" 74A. " " 7/8 " for piano back screws.... " .25
" 75 " " 5/8 " ..... " .23

Above prices are net and subject to change without notice.

CAPSTAN SCREW-DRIVER.



Full size cut.

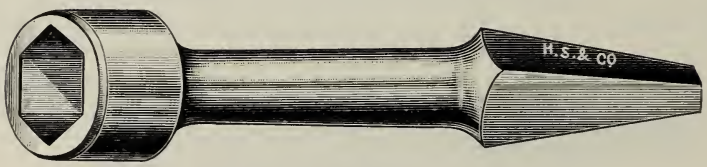
No. 75B. Capstan screw-driver..... .....Each, $0.50

WRENCHES.



Two-third size cut.

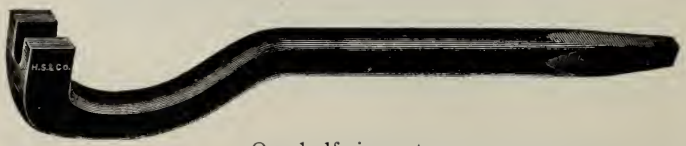
No. 75A. Bearing bar screw-wrench.....Each, $0.85



Two-third size cut.

No. 75C. Lag screw wrench for ¾ x ⅜ in. hexagon heads (⅜ and $\frac{7}{16}$ in. lag screws).....Each, $2.00

No. 75D. Lag screw wrench for $\frac{13}{16}$ x $\frac{7}{16}$ in. hexagon heads (½ in. lag screws).....Each, $2.00



One-half size cut.

No. 75E. Bracket bolt wrench, black.....Each, $0.85

Above prices are net and subject to change without notice.

PIANO SCREW-DRIVERS.



No. 77. With octagon rosewood handle.

Blade,	2	3	4	5	6	7	8	9	10	11	12 in.
Per doz.,	$2.05	2.15	2.70	3.15	3.70	3.90	4.20	4.50	4.95	5.65	6.15
Each,	.20	.22	.27	.32	.37	.39	.42	.45	.50	.57	.62

No. 77A. With octagon rosewood handle. Thin blade.

Blade,	2	3	4	5	6	7	8	9	10 in.
Per doz.,	$2.05	2.15	2.70	3.15	3.70	3.90	4.20	4.50	4.95
Each,	.20	.22	.27	.32	.37	.39	.42	.45	.50

No. 78. Without handle. Blade only.

Blade,	3	4	5	6	7	8	9	10	11	12 in.
Per doz.,	$1.10	1.50	1.85	2.25	2.65	3.00	3.25	3.50	4.00	4.50
Each,	.11	.15	.19	.23	.27	.30	.33	.35	.40	45

No. 78A. Without handle. Thin blade only.

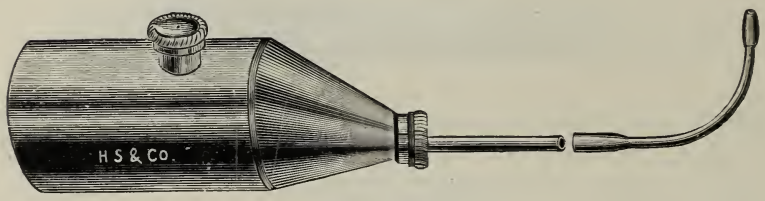
Blade,	3	4	5	6	7	8	9	10 in.
Per doz.,	$1.10	1.50	1.85	2.25	2.65	3.00	3.25	3.50
Each,	.11	.15	.19	.23	.27	.30	.33	.35

No. 79. Octagon rosewood handles only.

No.	1	2	3	4	5	6	7	8
Ferrules,	3/8	7/16	7/16	1/2	1/2	5/8	3/4	7/8 in.
Thickness,	3/4	3/4	7/8	1	1 1/16	1 1/8	1 1/4	1 3/8 in.
Length,	4	4 1/4	4 1/2	4 3/4	5	5 1/2	6	6 in.
Each,	$0.09	.11	.12	.13	.14	.14	.15	.17

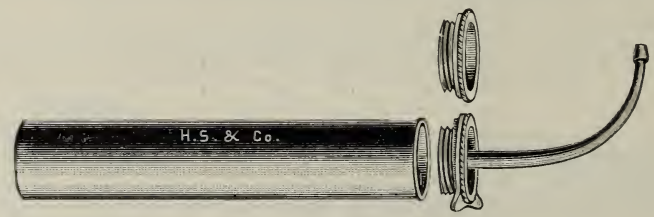
Above prices are net and subject to change without notice.

HAMMER-SHANK BURNING LAMPS.



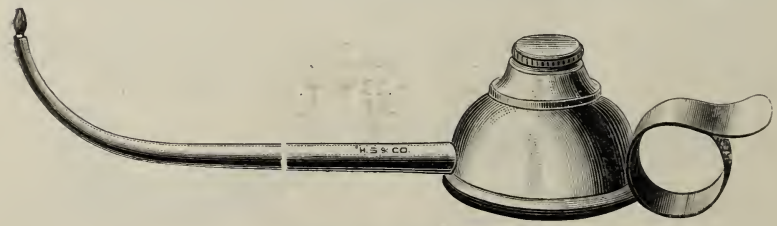
Two-third size cut.

No. 81A. Hammer-shank burning lamp, with wick.....Each, $0.95



Two-third size cut.

No. 81B. Vest-pocket hammer-shank burning lamp, with wick, Each, $0.30

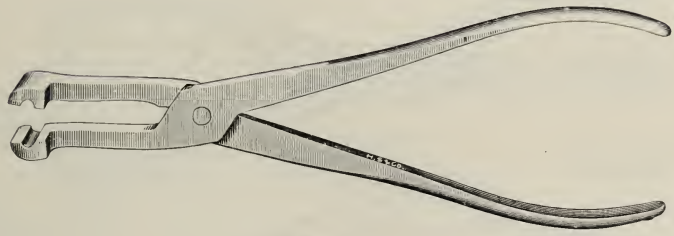


Two-third size cut.

No. 81C. Hammer-shank burning lamp, with wick:.....Each, $0.60

Above prices are net and subject to change without notice.

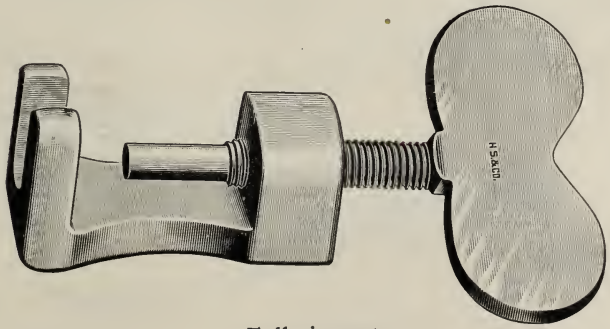
HAMMER-SHANK TONGS.



One-third size cut.

No. 82. Hammer-shank tongs, 10-inch, forged steel.....Each, $1.25
" 82B. " " 11 " " " hole in jaw slightly curved..... " 1.75

HAMMER-SHANK EXTRACTORS.

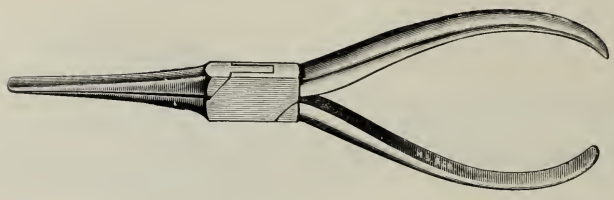


Full size cut.

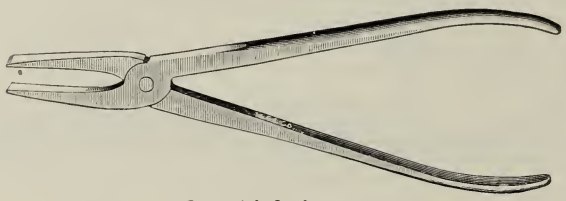
No. 83D. Hammer-shank extractors.....Each, $0.50

Above prices are net and subject to change without notice.

PLYERS.

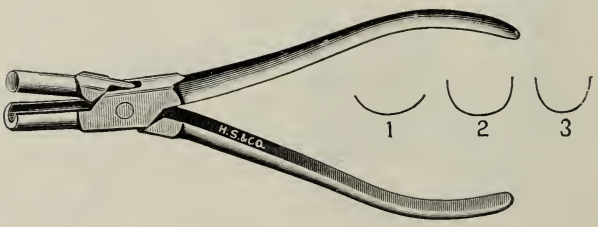


	Length,	5	6	6	8	8	9 in.
	Width of nose,	¼	¼	⅜	⅜	½	½ in.
No. 84.	Swanbill plyers.....Each,	$0.39	.50	.50	.84	.84	.92



One-third size cut.

No. 84A. Parallel plyers.....Each, $1.15

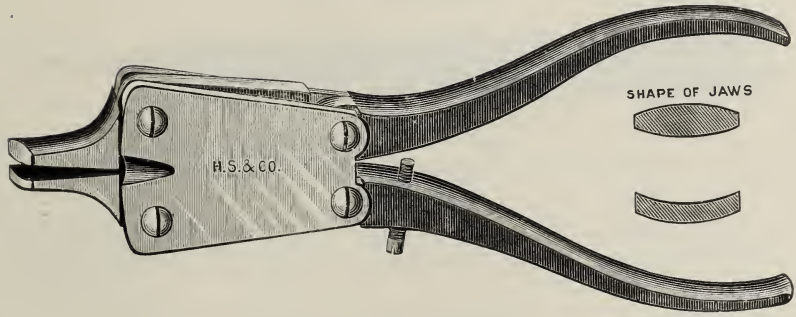


One-third size cut.

No. 84B. Action regulating plyers, either No. 1, 2 or 3 sweep...Each, $1.60

Above prices are net and subject to change without notice.

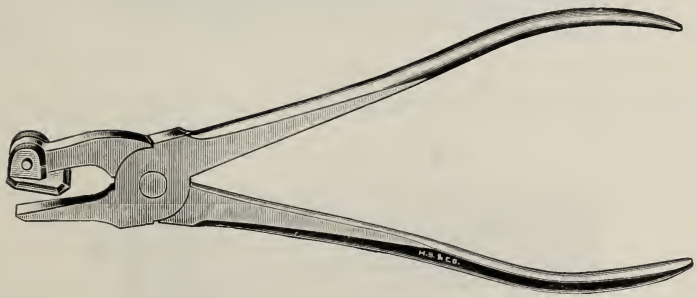
PLYERS.



One-half size cut.

No. 84C. Action regulating plyers.....Each, $3.25

KEY PLYERS.



One-half size cut.

No. 85. Best nickel plated.....Each, $1.25
" 86. Polished..... " .85

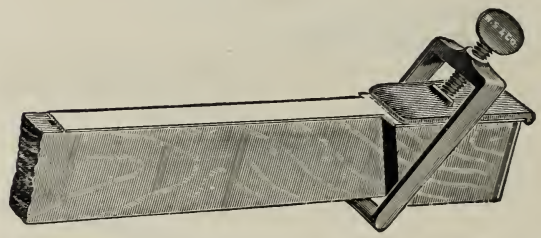
Above prices are net and subject to change without notice.

FLOAT FILES, FOR IVORY.



			6	7	8	9	10	11	12
No. 87.	Bastard	Per doz.,	$1.08	1.23	1.35	1.68	1.88	2.35	2.68
		Each,	.11	.12	.14	.17	.19	.24	.27
" 88.	Smooth.....	Per doz.,	1.40	1.58	1.68	2.08	2.35	2.95	3.38
		Each,	.14	.16	.17.	21	.24	.30	.34

IVORY CLAMPS.



One-half size cut.

No. 88D. For holding ivory or celluloid tops while gluing... Per doz., $2.00
Each, .20



One-half size cut.

No. 88E. For holding ivory or celluloid fronts while gluing.. Per doz., $1.75
Each, .15

Above prices are net and subject to change without notice.

IVORY SPRINGS.



One-half size cut.

	Per doz.	Each.
No. 88A. Springs for holding ivory or celluloid tops while gluing	$0.60	$0.06

ROUGHING IRONS.

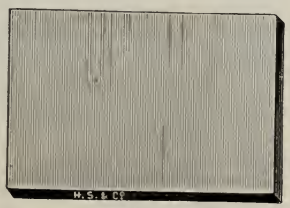


One-half size cut.

No. 88B. ½ inch wide, extra fine teeth.....Per doz., $4.50, Each, $0.45

" 88B. 1 " " " " ..... " 4.50, " .45

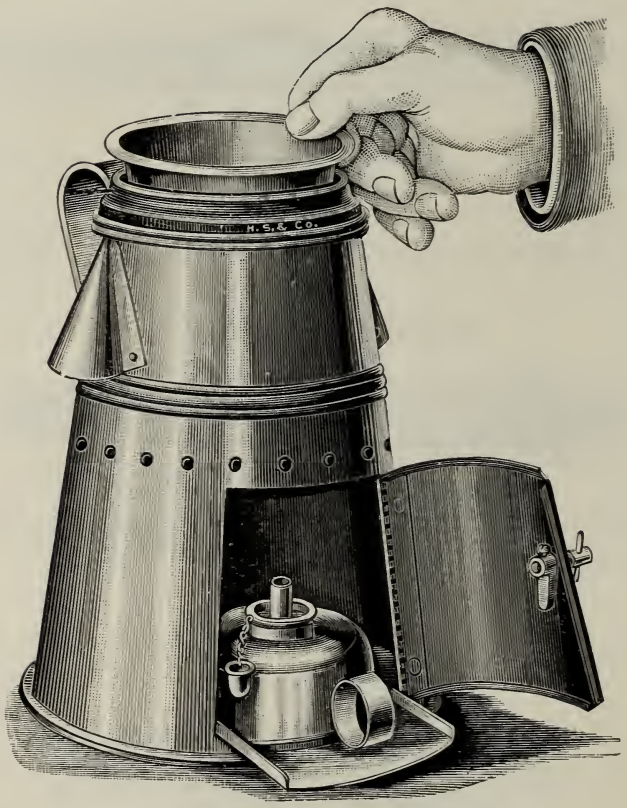
IVORY SCRAPERS.



Size,	2½x1⅜	—1⅝	2⅝x2⅛	3⅞x3¼ in.
Thickness,	14	17	15	19 English standard gauge.
No. 88C. Scrapers for ivory, Each,	$0.10	.10	.20	.15

Above prices are net and subject to change without notice.

PIANO GLUE POTS.



One-third size cut of No. 93.

No. 93.	Tin, with copper boilers	Each,	$1.35
" 93A.	Lamps only, for No. 93	"	.25
" 93B.	Extra burners for either alcohol, kerosene or lard oil,* for No. 93	"	.07
" 93C.	Copper boilers only, inside, for No. 93	"	.35
" 93D.	" " " outside, " 93	"	.40

*No 93 will be sent with alcohol burners unless otherwise ordered.

Above prices are net and subject to change without notice.

PIANO GLUE POTS.



One-half size cut of No. 94.



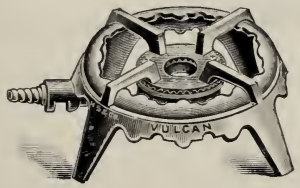
No. 97.

No. 94. Tuners' brass pocket glue pot for alcohol.....Each, $0.85

No.	0	1	2	3
Holds	1	1½	2	3 Pts.

No. 97. Kerosene glue pots with copper cup, Each, $1.59 1.75 2.00 2.30

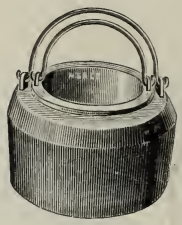
GAS STOVES.



No. 99A. Vulcan single burner 3¼ in. high, top 6 in. in diameter, Each, $0.55

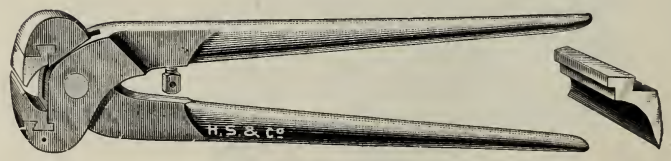
Above prices are net and subject to change without notice.

GLUE POTS.



	No.	000	00	0	1	2	3	4	5	6
No. 98.	Iron glue pots, tinned inside. Per doz.,	$3.65	4.00	4.40	4.95	6.15	7.50	9.10	10.65	12.70
	Each,	.37	.40	.44	.50	.62	.75	.91	1.07	1.27
" 99.	Inside pots only.... Per doz.,	1.83	2.00	2.20	2.48	3.08	3.75	4.55	5.33	6.35
	Each,	.18	.20	.22	.25	.31	.38	.46	.53	.64

CUTTING NIPPERS.

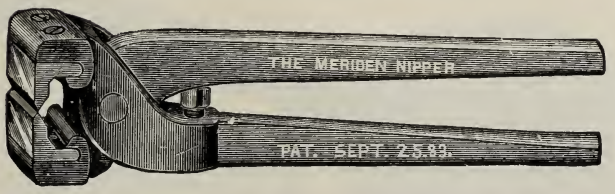


Will *not* cut steel music wire. With interchangeable jaws.

		8	10	12	14 in.
No. 101.	Carew's patent.....Each,	$1.80	2.03	2.34	2.70
" 102.	Extra jaws.....Per pair,	.25	.27	.30	.32

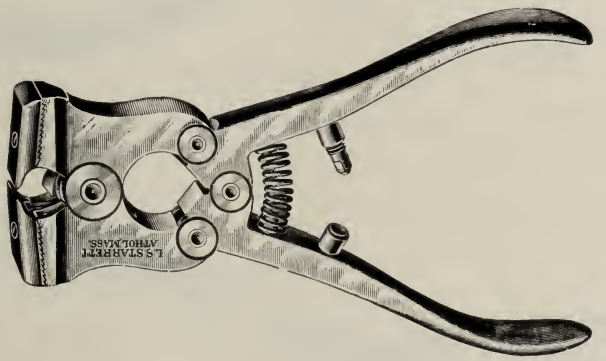
Above prices are net and subject to change without notice.

CUTTING NIPPERS.



Will *not* cut steel music wire. Interchangeable jaws.

	7½	9	11	12	13 in.
No. 102A. Meridan.....Each,	$0.60	.72	.85	.95	1.08



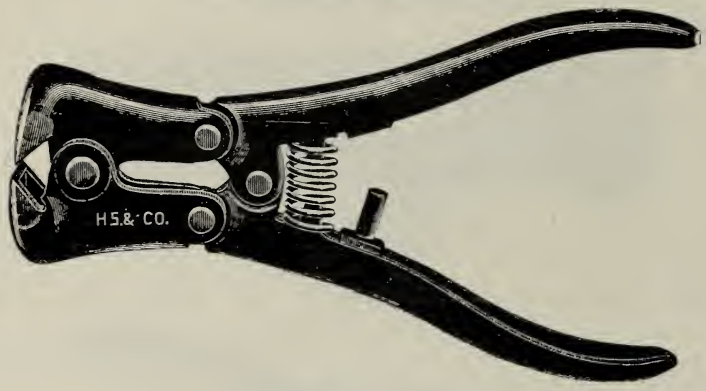
Starrett's with adjustable jaws, which can be taken off, ground and replaced.

	5½	7 in.
No. 105B. Will cut steel music wire.....Each,	$1.70	$2.13
" **105D.** Will *not* cut steel music wire..... "	1.70	2.13
" **105C.** Extra jaws for No. 105B.....Per pair,	.43	.43
" **105E.** " " " " 105D..... ..... "	.43	.43

The No. 105B, 5½ in., will cut steel music wire up to No. 25; the 7½ in., up to No. 32.

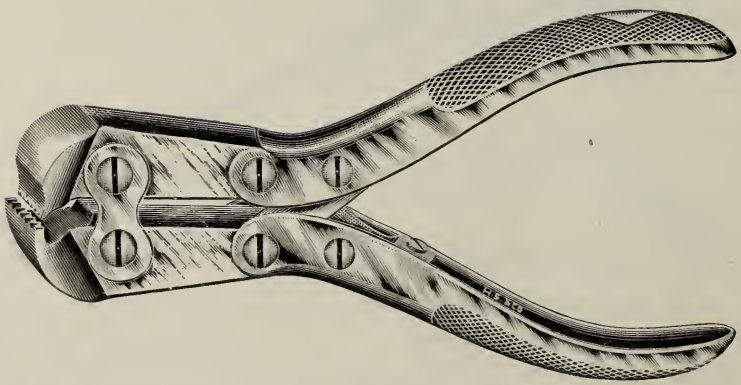
Above prices are net and subject to change without notice.

CUTTING NIPPERS.



No. 104. Monarch Black.

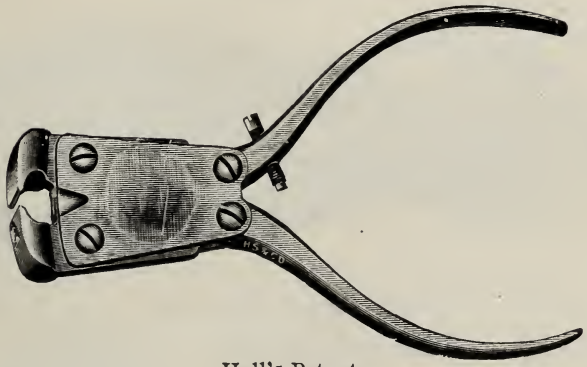
5½ in. Will cut steel music wire up to No. 25.....Each, $0.75
6½ " " " " " " " " " " 32..... " 1.00



No. 108Q. Bernard's, 5 in. Steel, nickel-plated. Will cut steel music wire up to No. 32.....Each, $1.25

Above prices are net and subject to change without notice.

CUTTING NIPPERS.



Hall's Patent.

Will *not* cut steel music wire.

No.		1	2	3	4	6
		4	5	6	7	8 in.
No. 106.	Black.....Each,	$0.72	.87	1.18	1.27	1.45
" 106A.	Nickel-plated..... "	1.00	1.18	1.47	1.58	...
" 106C.	Black, with flush jaws "	...	.94	1.29	1.38	...
" 107.	Extra jaws. Polished "	.20	.21	.25	.28	.34

Will cut steel music wire.

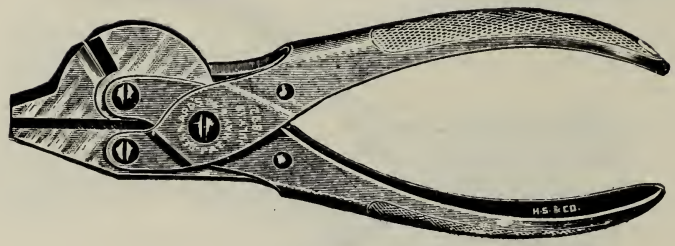
No.		2	3	4
		5	6	7 in.
No. 106B.	Black.....Each,	$0.94	1.29	1.38
" 107A.	Extra jaws..... "	.26	.31	.34

Extra Springs.

No.		1	2	3	4	6
No. 108.	.....Each,	$.05	.05	.05	.05	.08

Above prices are net and subject to change without notice.

CUTTING PLYERS.

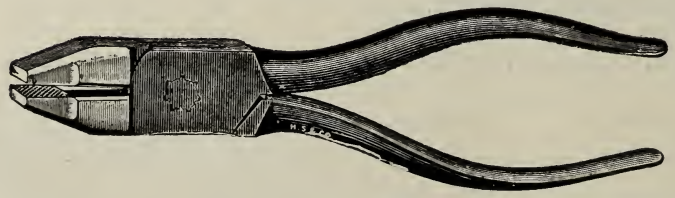


Will *not* cut steel music wire.

Bernard's open throat, parallel jaws. Steel, nickel-plated.

		4½	5½	6½	7½ in.
No. 108K.	Each,	$0.77	.97	1.17	1.57

SIDE CUTTING PLYERS.

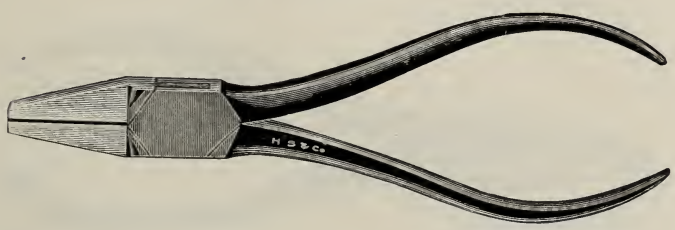


Will *not* cut steel music wire.

			4½	5	5½	6	6½	7	8 in.
No. 108C.	Stubs' black	Each,	$0.83	.83	.83	.92	1.17	1.50	2.00
" 108M.	P. S. & W. black	"	...	.75	...	.80	...	1.02	1.20
" 108N.	" nickel-plated	"	...	.87	...	.93	...	...	...

Above prices are net and subject to change without notice.

FLAT NOSE PLYERS.

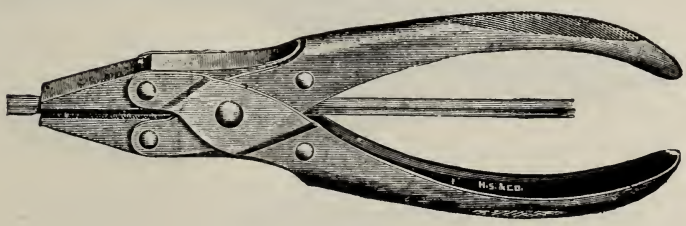


No. 108D. Cast steel, polished.

	4½	5	5½	6	6½	7	8 in.
Per doz.....	$2.70	3.15	3.50	5.00	5.50	6.30	7.50
Each.....	.27	.32	.35	.50	.55	.63	.75

No. 108O. Hand-forged steel, black, best quality.

	3½	4	4½	5	5½	6	6½	7	8 in.
Per doz.....	$3.38	3.38	3.38	3.75	4.35	5.10	6.00	7.05	9.00
Each.....	.34	.34	.34	.38	.44	.51	.60	.71	.90

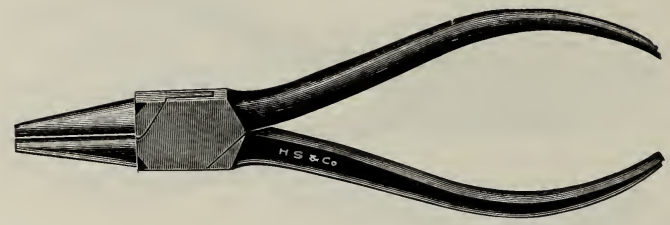


Bernard's all steel, nickel-plated. Open throat, parallel jaws.

		4½	5½	6½ in.
No. 108L.	Per doz.,	$5.12	6.58	8.04
	Each,	.47	.60	.74

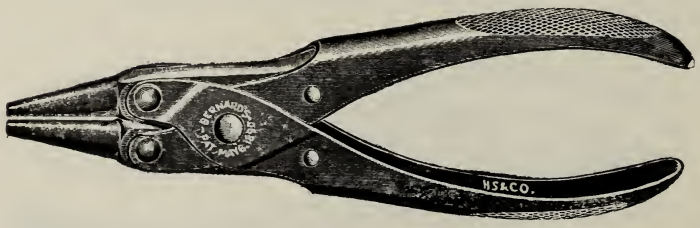
Above prices are net and subject to change without notice.

ROUND NOSE PLYERS.



No. 108P. Hand forged steel, black, best quality.

	3½	4	4½	5	5½	6	6½	7	8 in.
Per doz.,	$3.38	3.38	3.38	3.75	4.35	5.10	6.00	7.05	9.00
Each,	.34	.34	.34	.38	.44	.51	.60	.71	.90

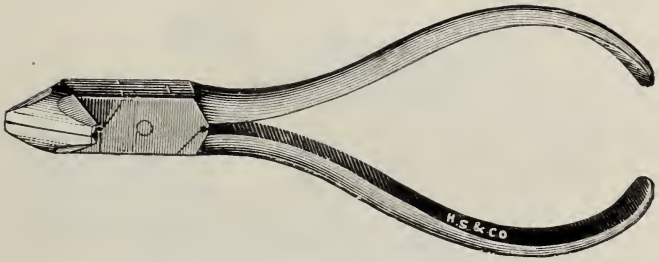


Bernard's all steel, nickel-plated. Open throat, parallel jaws.

		4½	5½	6½ in.
No. 108J.	Per doz.,	$5.12	5.68	8.04
	Each,	.47	.60	.74

Above prices are net and subject to change without notice.

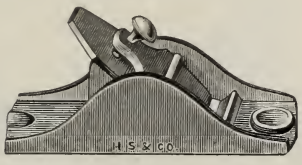
SIDE CUTTING NIPPERS.



Will cut steel music wire up to No. 6.

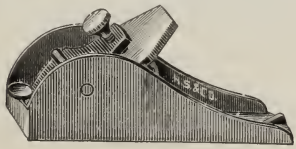
		5	5½	6 in.
No. 108B.	Stubs' Black.....Each,	$0.88	.96	1.17

PLANES.



No. 100. Small iron piano plane, japanned. 3½ in. long, 1 in. cutter. Each,.....$0.10

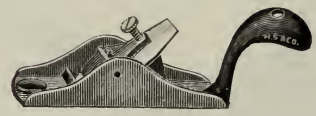
" 100A. Small iron piano plane, nickeled. 3½ in. long, 1 in. cutter. Each,..... .17



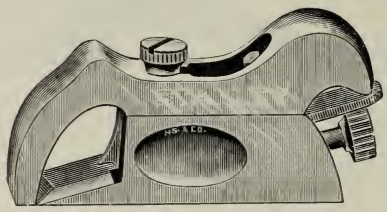
No. 100B. Small bull-nosed iron piano plane, japanned, 3½ in. long, 1 in. cutter.....Each, $0.10

Above prices are net and subject to change without notice.

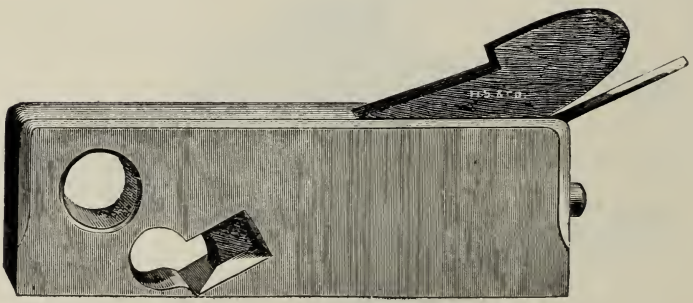
PLANES.



No. 100C. Iron block plane, 3½ in. long, 1 in. cutter.....Each, $0.14



No. 100D. Adjustable bull-nose rabbet plane, 4 in. long, 1 in. cutter.
Each,.....$1.35



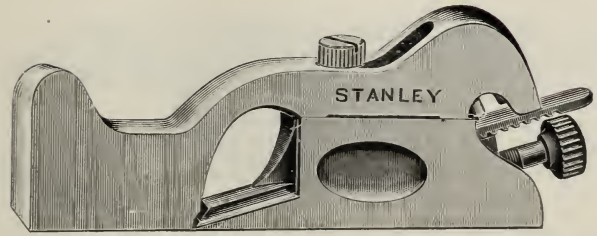
No. 109. Iron rabbet plane, nickel-plated, square, 6½x$\frac{9}{16}$ in., solid stock.....Each, $4.20

" 110. Iron rabbet plane, nickel-plated, square, 7½x$\frac{11}{16}$ in., solid stock.....Each, $5.50

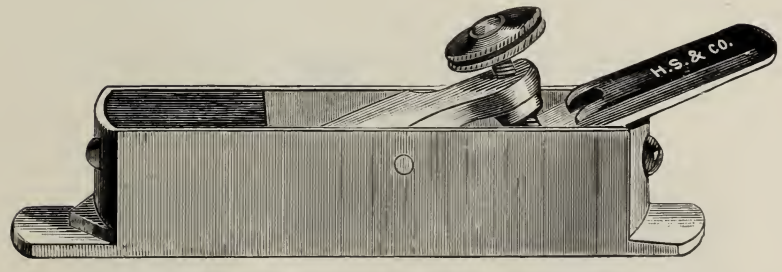
" 111. Iron rabbet plane, nickel-plated, skew, 7½x$\frac{11}{16}$ in., solid stock.....Each, $8.00

Above prices are net and subject to change without notice.

PLANES.



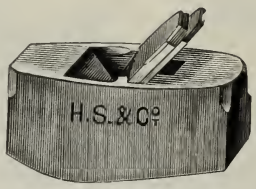
No. 130.	Rabbet plane. Iron, nickel-plated, 5½ in. long, ¾ in. cutter	Each, $1.52
" 131.	Rabbet plane. Iron, nickel-plated, 6½ in. long, 1 in. cutter	" 1.80
" 132.	Rabbet plane. Iron, nickel-plated, 7½ in. long, 1¼ in. cutter	" 2.10



No. 112.	Iron smooth plane, nickel-plated, 7⅜x1⅞ in., with 1½ in. cutter	Each, $6.75
" 112A.	Iron smooth plane, polished, 7¼x1⅞ in., with 1½ in. cutter	" 3.25
" 113.	Iron smooth plane, nickel-plated, 8x2½ in., with 1¾ in. cutter	" 7.25
" 113A.	Iron smooth plane, polished, 8x2⅛ in., with 1¾ in. cutter	" 3.60
" 113B.	Iron smooth plane, nickel-plated, 8⅞x2¼ in., with 1⅞ in. cutter	" 7.75

Above prices are net and subject to change without notice.

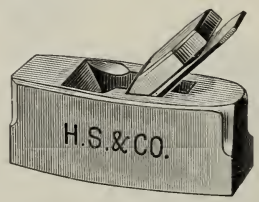
PLANES.



No. 116.

No. 116. Small piano plane, double iron, oval, beech, with 1¼ inch cutter.....Each, $1.25

" 117. Small piano plane, double iron, oval, boxwood, with 1¼ inch cutter.....Each, 1.45



No. 120.

No. 118. Small piano plane, single iron, straight, beech, with 1¼ inch cutter.....Each, $0.90

" 120. Small piano plane, double iron, straight, beech, with 1¼ inch cutter.....Each, 1.15

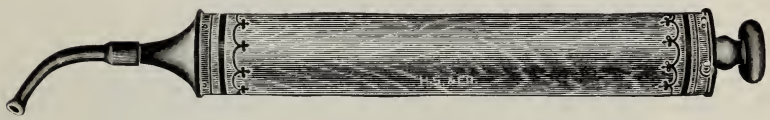
" 121. Small piano plane, double iron, straight, boxwood, with 1¼ inch cutter.....Each, 1.35

Above prices are net and subject to change without notice.

PIANO BELLOWS.

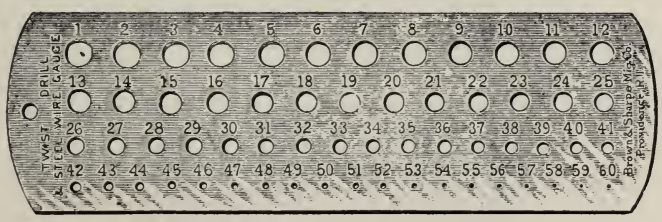


No. 122C. 16-in. cylinder maple ebonized trimmings.....Each, $1.25
" 122D. 18-in. " " " " ..... " 1.60



No. 122E. 18-in. cylinder, detachable nose, maple, ebonized trimmings.....Each, $2.50

TWIST DRILL AND STUBS' STEEL WIRE GAUGES.



No. 125G. Morse polished, Nos. 1 to 60.....Each, $1.35
" 125H. Brown & Sharpe's black, Nos. 1 to 60..... " 1 28
" 125J. " " " " 61 to 80..... " 1.70

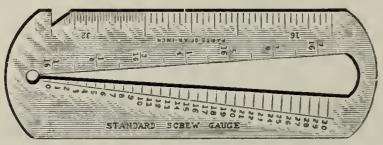
Above prices are net and subject to change without notice.

MUSIC WIRE GAUGES.



No. 123.	Brown and Sharpe's, Round, Nos. 12 to 28	Each, $1.35
" **124.**	Vulcan, Round, Nos. 6 to 28	" 1.50
" **125.**	" Oblong, " 6 to 28, with half numbers from 9½ to 17½	" 1.50
" **127.**	H. S. & Co.'s Round, Nos. 6 to 28	" 1.50
" **128.**	" Oblong, " 0 to 30	" 1.50

Our F. & G. Steel Music Wire is measured by the H. S. & Co. Gauge.



Front view.



Back view.

One-half size cuts.

No. 125F. Brown & Sharpe's, polished. ..... Each, $2.13

Above prices are net and subject to change without notice

TUNERS' SATCHELS.



Patent leather board, covered with best quality seal-grain leather, flannel lined, nickel-plated trimmings, metal knobs on bottom. Sizes given are inside measurements.

No. 151. 15½ in. long, 5⅝ in. deep and compartments 4¾ in. and $3\frac{3}{16}$ in. wide respectively. Without roll.....Each, $5.00

" 152. 13 in. long, 5 in. deep and compartments 4½ in. and 3 in. wide respectively. Without roll.....Each, 4.75

TUNERS' ROLLS.

Best quality seal-grain leather, lined with oil dressed chamois skin, leather straps, and handle for convenience in carrying.

No. 161. Size when open, 27x13½ in.....Each, $4.00

" 162. " " 20x12½ in..... " 3.65

" 163. " " 27x13½ in. has both seal-grain leather and chamois skin inside flap..... " 4.75

Above prices are net and subject to change without notice.

ON the following pages we give the details of six sets of Tools for Piano Tuners and Regulators. We have embodied in these sets such tools as we have found, in an experience covering many years, to be most called for, and in our judgment most generally useful.

The range of prices is made possible by the varying quantity, rather than quality of the tools, and in fact we carry only one quality — and that is the best. We ask you to bear this particularly in mind when comparing our prices with those of cheaper goods.

HAMMACHER,
SCHLEMMER & CO.,

209 Bowery, New York.
Since 1848.

TUNERS' KITS.

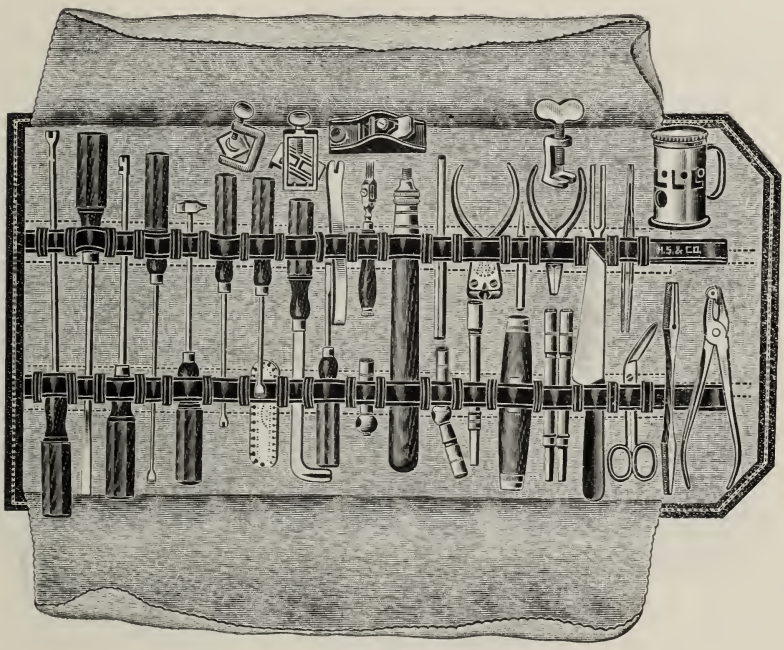


Illustration of Kits Nos. 171 and 172.

Tuners' Kit No. 171 contains 32 strictly high grade tools, a satchel and roll, as listed on following page.

Per set.....$38.75

Tuners' Kit No. 172 contains the same assortment of tools as No. 171, but is without satchel and has No. 163 roll in place of No. 161. See page 53 describing No. 163 roll.

Per set.....$34.75

Above prices are net and subject to change without notice.

TUNERS' KIT, No. 171.

(For Price &c. See Page 55.)

No. 02B. Mueller Extension Hammer, star head.
No. 14. Socket Tuning Hammer, square head.
No. 17. Extra Oblong Tube.
No. 23. Double Oblong Head.
No. 45B. Tuning Pin Extractor.
No. 46. Punch for Broken Tuning Pins.
No. 46A. Punch for Driving out Center Pins.
No. 48. Straight Action Regulator, handled.
No. 48E. Spoon Bender, handled.
No. 49. Regulating Screw-driver, 3½ in., handled.
No. 50. Regulating Screw-driver, 7 in., handled.
No. 51. Key Spacer, 9 inches, handled.
No. 54. Straight Back Check Spacer, handled.
No. 56. Piano Tweezers, 6 inches.
No. 58. Damper Felt Scissors
No. 60. String Lifter.
No. 62B. Tuners' Wedge.
No. 62H. Tuning Fork.
No. 66. Felt Knife.
No. 70. Felt Picker.
No. 72. Double Head Screw-driver, handled.
No. 77. Screw-driver, 3 inches, handled.
No. 77. Screw-driver, 8 inches, handled.
No. 83D. Hammer Shank Extractor.
No. 85. Key Plyers.
No. 88D. Ivory Clamp for Tops.
No. 88E. Ivory Clamp for Fronts.
No. 94. Pocket Glue Pots.
No. 100A. Small Iron Plane
No. 106B. Halls' Nipper, 5 inch.
No. 108D. Flat Nose Plyers, 5 inch.
No. 128. Music Wire Guage.
No. 151. Satchel.
No. 161. Roll.

The tools in this set are strictly first class.

TUNERS' KIT.

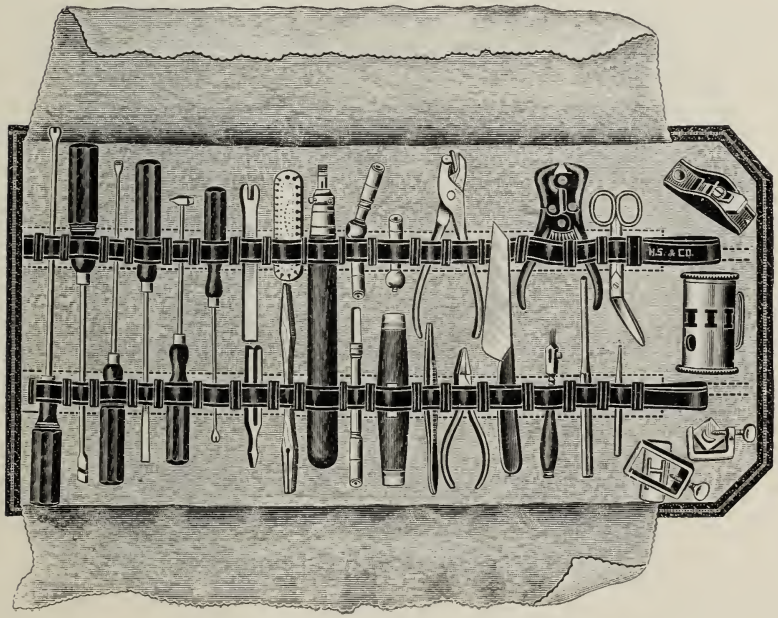


Illustration of Kits Nos. 173 and 174.

Tuners' Kit No. 173 contains 26 strictly high grade tools, a satchel and roll, as listed on following page.

Per set..... .....$33.00

Tuners' Kit No. 174 contains the same assortment of tools as No 173, but is without satchel and has No. 163 roll in place of No. 161. See page 53 describing No. 163 roll.

Per set.....$29.00

Above prices are net and subject to change without notice.

TUNERS' KIT, No. 173.

(For Price &c. See Page 57.)

No. 2A. Extension Hammer, Star Head.
No. 14. Socket Tuning Hammer, Square Head.
No. 23. Double Oblong Head.
No. 46. Punch for broken tuning pins.
No. 46A. Punch for driving out center pins.
No. 48. Straight Action Regulator, handled.
No. 50. Regulating Screw-driver, 7 in. handled.
No. 51. Key Spaces, 9 in. handled.
No. 54. Straight Back Check Spacer, handled.
No. 56. Piano Tweezers, 6 in.
No. 58. Damper Felt Scissors.
No. 60. String Lifter.
No. 62B. Tuners' Wedge.
No. 62H. Tuning Fork.
No. 66. Felt Knife.
No. 70. Felt Picker.
No. 72. Double Head Screw-driver, handled
No. 77. Screw-driver, 6 in., handled.
No. 86. Key Plyers.
No. 88D. Ivory Clamp for tops.
No. 88E. Ivory Clamp for fronts.
No. 94. Pocket Glue Pot.
No. 100. Small Iron Plane.
No. 104. Monarch Cutting Nipper, 5½ in.
No. 108D. Flat Nose Plyers, 5 in.
No. 128. Music Wire Gauge.
No. 151. Satchel.
No. 161. Roll.

The tools in this set are strictly first-class.

TUNERS' KITS.

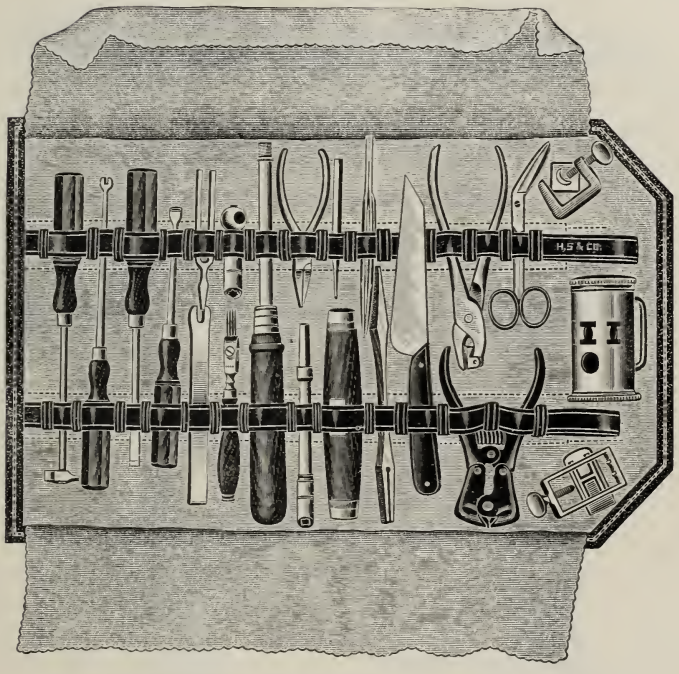


Illustration of Kits Nos. 175 and 176.

Tuners' Kit No. 175 contains 20 strictly high grade tools, a satchel and roll, as listed on following page.

Per set.....$23.50

Tuners' Kit No. 176 contain the same assortment of tools as No. 175 but is without satchel, simply having the roll.

Per set.....$19.00

The above prices are net and subject to change without notice.

TUNERS' KIT No. 175.

(For Description, Price, &c., See Page 59).

No. 8. Upright Tuning Hammer, star head.

No. 14. Socket Tuning Hammer, square head.

No. 46A. Punch for Driving out Center Pins.

No. 49. Regulating Screw-driver, 3½ in., handled.

No. 54. Straight Back Check Spacer, handled.

No. 56. Piano Tweezers, 6 in.

No. 58. Damper Felt Scissors.

No. 60. String Lifter.

No. 62B. Tuners' Wedge.

No. 62H. Tuning Fork.

No. 66. Felt Knife.

No. 70. Felt Picker.

No. 72. Double head Screw-driver, handled

No. 77. Screw-driver, 4 in., handled.

No. 86. Key Plyers.

No. 88D. Ivory Clamp for Tops.

No. 88E. Ivory Clamp for Fronts.

No. 94. Pocket Glue Pot.

No. 104. Monarch Cutting Nipper, 5½ in.

No. 108D. Flat Nose Plyers, 5 in.

No. 152. Satchel.

No. 162. Roll.

The above kit is made with the same quality of tools and with the same care as the sets preceding.

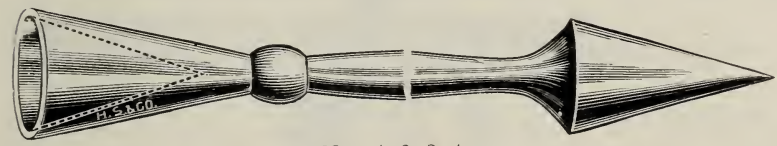
The tools in this set are strictly first class.

ORGAN TUNERS' CONES.

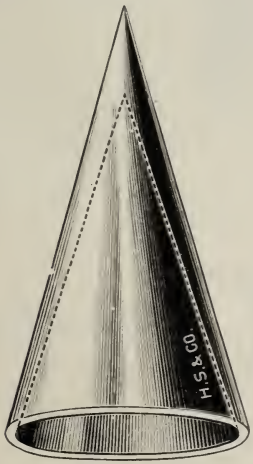


No. 1000. Set of 3 (sizes, 1 x 8, 1¼ x 8½, 1⅜ x 10 in.) made of selected lignum- vitæ; highly polished.....Per set, $1.65

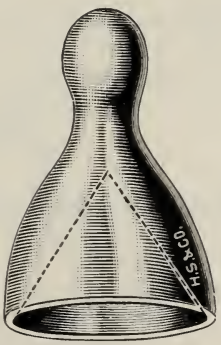
" **1000A.** Selected lignum-vitæ, highly polished, 1¾x11in., Each, .65



Nos. 1, 2, 3, 4.



Nos. 5, 6.



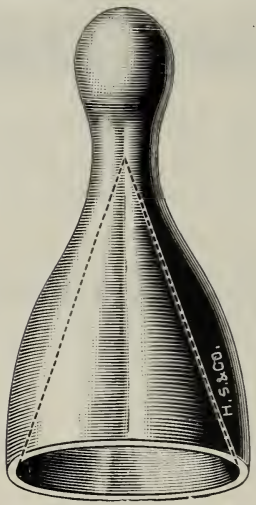
No. 7.

No.	1	2	3	4	5	6	7
	9/16	3/4	15/16	1 3/16	2¼	3 in.	voicer
No. 1001. Brass.....Each,	$1.30	1.50	1.90	2.25	2.25	2.65	1.50

" **1001.** Set of 7 pieces.....Per set, $12.00

Above prices are net and subject to change without notice.

PIPE-MAKERS' CONES.



No. 1002. Brass pipe-makers' cones, set of 4 pieces (different inside bevels).....Per set, $6.00

REED ORGAN HOOK.



No. 1010. Length, 8⅛ in.....Per 100, $1.00 Per doz., $0.20

REED SCRAPER.



No. 1012. Length, 7½ in., black.....Per doz., $2.50 Each, $0.25

Above prices are net and subject to change without notice.

LEAD FLOAT FILE.



No. 1007. Half round, 12 in. long.....Per dozen, $4.23 Each, $0.42

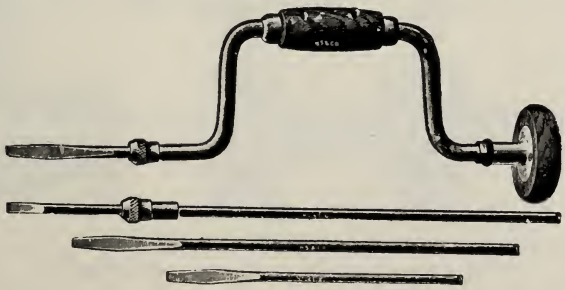
REED FILES.



	Length,	3½	4	4½	5 in.
	Width,	¼	⅜	⅜	$\frac{7}{16}$ in.
No. 1008. Stubs' imported, with 1 safe edge, bastard..	Per doz.	$1.62	1.88	2.07	2.55
	Each,	.17	.19	.21	.26
No. 1008A. " " " 1 " " smooth..	Per doz.,	1.77	2.18	2.52	3.00
	Each,	.18	.22	.26	.30

No. 1009. Domestic, length, 4 in., width, ½ in., 2 safe edges.....Per doz., $2.05 Each, $0.21

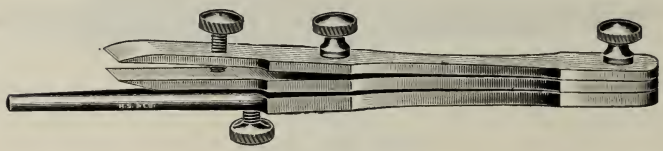
ORGAN BUILDERS' BRACE SCREWDRIVER.



No. 1050. 6 in. nickel-plated steel sweep, cocobola head and handle, with one screw-driver blade, each, 4, 4¼, 8 and 12 in., and 12 in. extension.....Each, $1.25

Above prices are net and subject to change without notice.

PERFLING TOOL.



One-half size cut.

No. 1501. Polished.....Each, $1.85

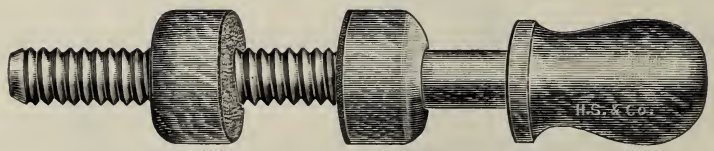
POST SETTER AND REGULATOR.



One-third size cut.

No. 1505. Black.....Each, $0.30

CLAMPS.

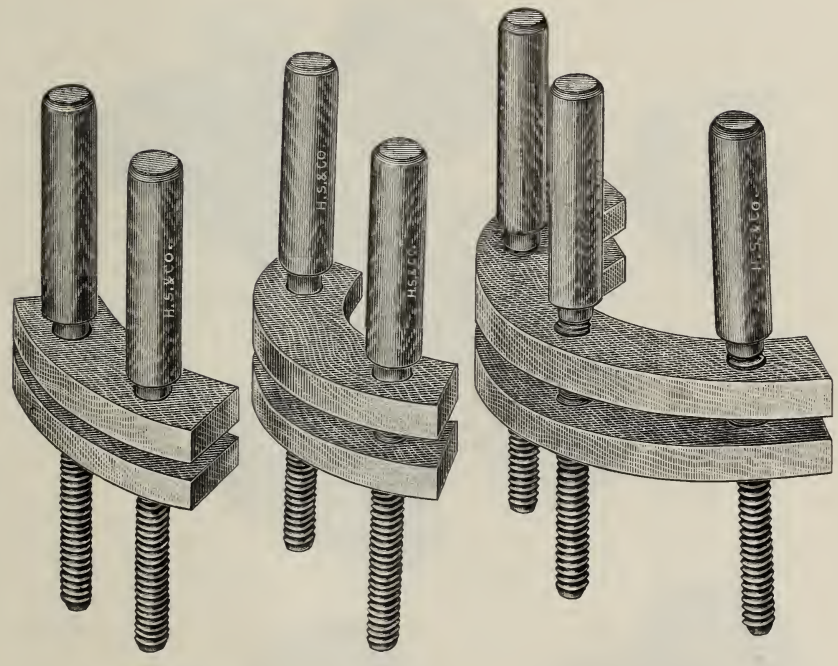


No. 1525A. Spindle, ½ in., jaws open 2¾ in. faced with chamois skin.....Per doz., $1.75 Each, $0.18

" 1525B. Spindle, $\frac{9}{16}$ in., jaws open 3⅞ in. faced with chamois skin..... " 2.10 " .20

Above prices are net and subject to change without notice.

CLAMPS.



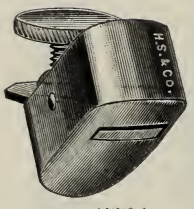
No. 1526A. No. 1526B. No. 1526C.

One-third size cuts.

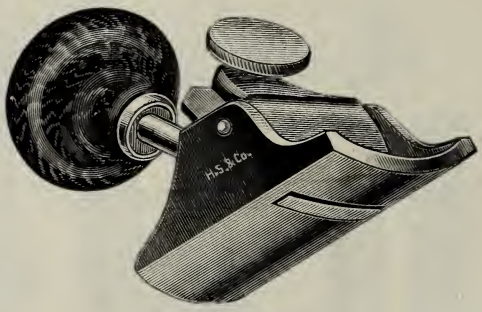
No. 1526A.	Spindles,	$\frac{9}{16}$ in.,	jaws open	4¼ in...	Per doz.,	$2.50	Each,	$0.25
" **1526B.**	"	$\frac{9}{16}$ in.,	"	" 4¼ in...	"	3.15	"	.32
" **1526C.**	"	$\frac{9}{16}$ in.,	"	" 4¼ in...	"	4.50	"	.45

Above prices are net and subject to change without notice.

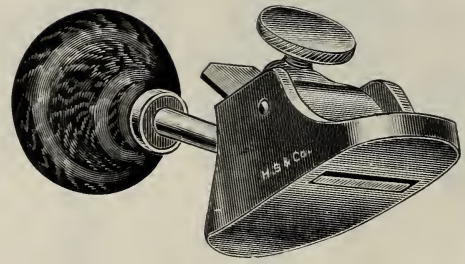
PLANES.—Full size cuts.



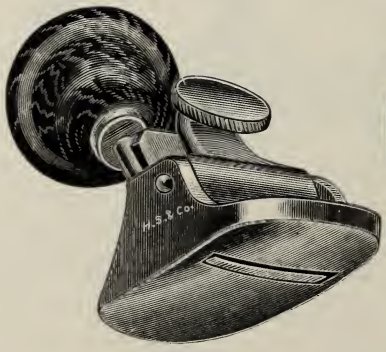
No. 1550A.



No. 1550E.



No. 1550 C.



No. 1550D.

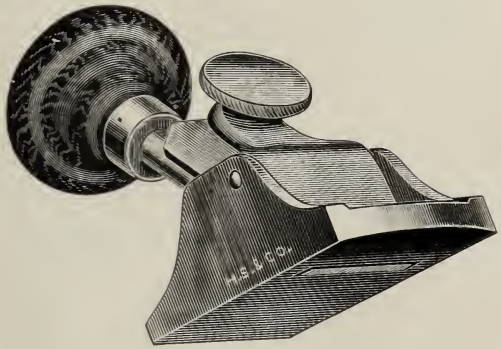


No. 1550B.

For prices see following page.

PLANES.

Full size cut.



No. 1550F.

No.	1550A	1550B	1550C	1550D	1550E	1550F
Each	$0.85	.85	.85	.85	.85	.85

When sold separately a handle is furnished with each plane except No. 1550A.

No. 1551. Set of 6 with one interchangeable handle to set.....Per set, $3.85

REAMERS.



One-half size cut.

No. 1600......Each, $0.90

Above prices are net and subject to change without notice.

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TOOLS for WOOD WORKERS,
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METAL WORKERS,
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for PLASTER CARVERS,
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